

Abstract

A magnetic bias film 9 includes a magnetic bias magnet 11 that has magnetic layers and generates a magnetic field within a plane perpendicular to a lamination direction of the magnetic layers, which is manufactured in the shape of substantially a rectangular prism having a long side, a short side, and a thickness (in the lamination direction) in order of decreasing lengths. A ratio of the long side with respect to the short side of the magnetic bias magnet 11 in length is in a range of 5 to 200.